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INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION

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Application Number 09/589,287

Filing Date June 8, 2000

First Named Inventor YU et al.,

Group Art Unit 1646

Examiner Name Prasad, S.

Attorney Docket Number PF343P3C1

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SEP	A1	08/984,396		SmithKline Beecham	NA	Priority Document of EP 869180
	A2	60/033,601		Schering	NA	Priority Document of WO 98/27114
	A3	60/041,797		SmithKline Beecham	NA	Priority Document of EP 869180
	A4	60/048,776		Regeneron	NA	Priority Document of 98/55620 & 98/55621
	A5	60/058,786		Biogen	NA	Priority Document of 99/12964
	A6	60/066,386		Regeneron	NA	Priority Document of 98/55620 & 98/55621
	A7	60/066,577		Eli Lilly	NA	Priority Document of EP 921194
	A8	60/068,959		Chiron	NA	Priority Document of WO 99/33980
	A9	60/096,173		Eli Lilly	NA	Priority Document of EP 921194
	A10	60/106,976		U.S. Government - DHHS	NA	Priority Document of WO 00/26244
	A11	60/117,169		Biogen	NA	Priority Document of WO 00/43032
	A12	60/143,228		Biogen	NA	Priority Document of WO 00/43032

FOREIGN PATENT DOCUMENTS

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SEP	A13	EP	869180	A1	SmithKline Beecham	07-10-1998		
	A14	EP	921194	A2	Eli Lilly	06-09-1999		
	A15	EP	98302526		SmithKline Beecham	4/98	Priority Document of EP 869180	
	A16	EP	98309632		Eli Lilly	11/98	Priority Document of EP 921194	
	A17	WO	01/40466	A2	Genentech	06-07-2001	Pages 1-135 and Figures 23 and 24	
	A18	WO	00/26244	A2	U.S. Government - DHHS	05-11-2000		
	A19	WO	00/39295	A1	Glaxo	07-06-2000		
	A20	WO	00/40716	A2	Zymogenetics	07-13-2000		
	A21	WO	00/43032	A2	Biogen	07-27-2000		
	A22	WO	00/47740	A2	Amgen, Inc.	08-17-2000		
	A23	WO	00/45836	A1	Res. Dev. Foundation	08-10-2000		
	A24	WO	00/60079	A2	Chiron Corporation	10-12-2000		
	A25	WO	00/67034	A1	Immunex Corporation	11-09-2000		

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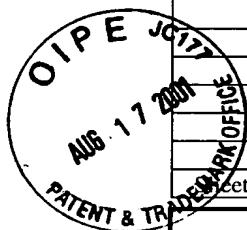
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Application Number				09/589,287	
Filing Date				June 8, 2000	
First Named Inventor				YU et al.,	
Group Art Unit				1646	
Examiner Name				Prasad, S.	
Attorney Docket Number				PF343P3C1	
Sheet	2	of	4		



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SCP	A26	WO	00/68378	A1	National Jewish Medical and Research Center	11-16-2000		
	A27	WO	00/77256	A1	Human Genome Sciences	12-21-2000		
	A28	WO	97/33902	A1	Human Genome Sciences	09-18-1997		
	A29	WO	98/27114	A2	Schering	06-25-1998		
	A30	WO	98/55620	A1	Regeneron	12-10-1998		
	A31	WO	98/55621	A1	Regeneron	12-10-1998		
	A32	WO	99/11791	A1	Univ. of Washington	03-11-1999		
	A33	WO	99/12964	A2	Biogen	03-18-1999		
	A34	WO	99/33980	A2	Chiron	07-08-1999		

OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS				
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SCP	A35	FARRAH ET AL., GenBank Accession Number AF186114, 01-13-2000.		
	A36	FERGUSON ET AL., Human Molecular Genetics 6:1589-1594		
	A37	FUJIWARA ET AL., GenBank Accession Number D79690, 02-09-1996.		
	A38	HILLIER ET AL., GenBank Accession Number AA166695, 11-09-1997.		
	A39	HILLIER ET AL., GenBank Accession Number AA682496, 12-19-1997.		
	A40	HILLIER ET AL., GenBank Accession Number R16882, 04-14-1995.		
	A41	HILLIER ET AL., GenBank Accession Number R16934, 04-14-1995.		
	A42	HILLIER ET AL., GenBank Accession Number T87299, 03-17-1995.		
	A43	MARRA ET AL., GenBank Accession Number AA422749, 10-16-1997.		
	A44	MARRA ET AL., GenBank Accession Number AI182472, 10-08-1998.		
	A45	MYERS., GenBank Accession Number G30081, 10-05-1996.		
	A46	NCI-CGAP., GenBank Accession Number AA906714, 06-09-1998.		
	A47	ZHANG ET AL., GenBank Accession Number AF134715, 03-28-2000.		

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		Group Art Unit	1646
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OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS			
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Scp	A48	BAUMGARTH, Nicole, Secreted IgM versus BlyS in germinal center formation, Nature Immunology, (2000) 1:179.	
	A49	CYSTER, JASON G., Marginal zone B cells may steal the limelight as the roles of Pyk-2 and BlyS begin to be elucidated. Pyk-2 deficiency leads to their loss whereas signaling via the BlyS receptor may augment their function, Nature Immunology, (2000) 1:9-10.	
	A50	DO ET AL., Attenuation of Apoptosis Underlies B Lymphocyte Stimulator Enhancement of Humoral Immune Response, J. Exp. Med., (2000) 192:953-964.	
	A51	GROSS ET AL., TACI and BCMA are receptors for a TNF homologue implicated in B-cell autoimmune disease, Nature, (2000) 404:995-999.	
	A52	HATZOGLOU ET AL., TNF Receptor Family Member BCMA (B Cell Maturation) Associates with TNF Receptor-Associated Factor (TRAF) 1, TRAF2, TRAF3 and Activates NF-κB, Elk-1, c-Jun N-Terminal Kinase, and p38 Mitogen-Activated Protein Kinase, The Journal of Immunology, (2000) 165:1322-1330.	
	A53	HU ET AL., Characterization of TNFRSF19, a novel member of the tumor necrosis factor receptor superfamily, Genomics, 62:1023-107 (1999).	
	A54	KANAKARAJ ET AL., BlyS Binds to B Cells With High Affinity and Induces Activation of the Transcription Factors NF-κ and Elf-1, Cytokine (2001) 13:25-31.	
	A55	KHARE ET AL., Severe B Cell Hyperplasia and autoimmune disease in TALL-1 transgenic mice, PNAS, (2000) 97:3370-3375.	
	A56	LAABI ET AL., Lymphocyte Survival--Ignorance is BlyS, Science Magazine, (2001) 289:883.	
	A57	MACKAY ET AL., Mice Transgenic for BAFF Develop Lymphocytic Disorders Along with Autoimmune Manifestations, J. Exp. Med., (1999) 190:1697-1710.	
	A58	MARSTERS, ET AL., Interaction of the TNF homologues BlyS and APRIL with the TNF receptor homologues BCMA and TACI, Current Biology, (2000) 10:785-788.	
	A59	MOORE ET AL., BlyS: Member of the Tumor Necrosis Factor Family and B Lymphocyte Stimulator, Science, (1999) 285:260-263.	
	A60	NARDELLI ET AL., Synthesis and release of B-lymphocyte stimulator from myeloid cells, Immunobiology, (2001) 97:198-204.	
	A61	PARRY ET AL., Pharmacokinetics and Immunological Effects of Exogenously administered Recombinant Human B Lymphocyte Stimulator (BlyS) in Mice, The Journal of Pharmacology and Experimental Therapies, (2001) 296:396-404.	
	A62	SCHNEIDER ET AL., BAFF, a Novel Ligand of the Tumor Necrosis Factor Family, Stimulates B Cell Growth, J. Exp. Med., (1999) 189:1747-1756.	
	A63	SHU ET AL., TALL-1 is a novel member of the TNF Family that is Down-regulated by Mitogens, J. Leukoc. Biol., 65:680-683 (1999).	

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OTHER REFERENCES - NON PATENT LITERATURE DOCUMENTS

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SCP	A64	THOMPSON ET AL., BAFF Binds to the Tumor Necrosis Factor Receptor-like Molecule B Cell Maturation Antigen and Is Important for Maintaining the Peripheral B Cell Population, J. Exp. Med., (2000) 192:129-135.	
	A65	WU ET AL., Tumor Necrosis Factor (TNF) Receptor Superfamily Member TACI Is a High Affinity Receptor for TNF Family Members APRIL and BlyS, The Journal of Biological Chemistry (2000) 275:34578-34585.	
	A66	XIA ET AL., TACI Is a TRAF-interacting Receptor for TALL-1, a Tumor Necrosis Factor Family Member Involved in B Cell Regulation, J. Exp. Med., (2000) 192:137-143.	
	A67	YAN ET AL., Identification of a receptor for BlyS demonstrates a crucial role in humoral immunity, Nature Immunology, (2000) 1:37-41.	
	A68	YU ET AL., APRIL and TALL-1 and receptors BCMA and TACI: system for regulating humoral immunity, (2000) 1:252-256.	
	A69	ZHANG ET AL., Cutting Edge: A Role for B Lymphocyte Stimulator in Systemic Lupus Erythematosus, The Journal of Immunology, (2001) 166:6-10.	

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